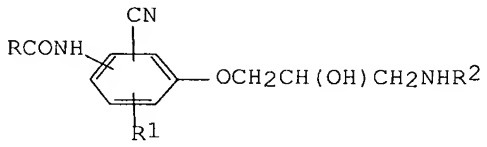
ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1983:422144 HCAPLUS Full-text
DOCUMENT NUMBER: 99:22144
TITLE: 1-Aryloxy-3-alkylamino-2-propanols
INVENTOR(S): Koeppe, Herbert; Kummer, Werner; Staehle, Helmut; Muacevic, Gojko; Traunecker, Werner
PATENT ASSIGNEE(S): Boehringer Ingelheim K.-G., Fed. Rep. Ger.
SOURCE: Eur. Pat. Appl., 25 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 73016	A1	19830302	EP 1982-107536	19820818 <--
EP 73016	B1	19851127		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
DE 3133678	A1	19830317	DE 1981-3133678	19810826
NO 8202220	A	19830228	NO 1982-2220	19820629
NO 152603	B	19850715		
NO 152603	C	19851023		
US 4442120	A	19840410	US 1982-398577	19820715
CA 1165324	A1	19840410	CA 1982-408021	19820726
AT 16700	E	19851215	AT 1982-107536	19820818
FI 8202912	A	19830227	FI 1982-2912	19820823
FI 75150	B	19880129		
FI 75150	C	19880509		
IL 66633	A1	19860228	IL 1982-66633	19820824
DK 8203804	A	19830227	DK 1982-3804	19820825
AU 8287718	A1	19830303	AU 1982-87718	19820825
AU 558338	B2	19870129		
JP 58059957	A2	19830409	JP 1982-147518	19820825
ES 515245	A1	19830801	ES 1982-515245	19820825
ZA 8206183	A	19840425	ZA 1982-6183	19820825
ES 520094	A1	19831201	ES 1983-520094	19830225
ES 520095	A1	19831201	ES 1983-520095	19830225

PRIORITY APPLN. INFO.: DE 1981-3133678 A 19810826
EP 1982-107536 A 19820818
OTHER SOURCE(S): CASREACT 99:22144; MARPAT 99:22144
GI



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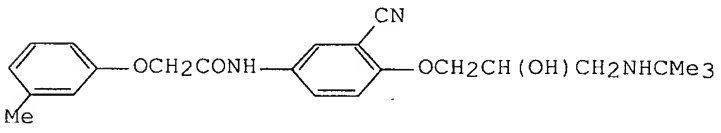

II

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AB β-Sympatholytic (no data) phenoxypropanolamines I [R = cycloalkyl, (un)substituted Ph, aryloxyalkyl; R1 = H, halo, alkoxy; R2 = alkyl] were prepared Thus, 7 g 1-[2-cyano-4-[2-(3-methylphenoxy)acetamido]phenoxy]-2,3- epoxypropane was treated with Me3CNH2 to give 2.6 g II.

ANSWER 2 OF 2 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
ACCESSION NUMBER: 1983-22969K [10] WPIDS Full-text
DOC. NO. CPI: C1983-022441
TITLE: 3-Aryloxy-2-hydroxy-N-alkyl-propylamine derivs. - useful as cardio-selective beta blockers.
DERWENT CLASS: B05
INVENTOR(S): KOPPE, H; KUMMER, W; MUACEVIC, G; STAHLE, H; TRAUNECKER, W
PATENT ASSIGNEE(S): (BOEH) BOEHRINGER INGELHEIM
COUNTRY COUNT: 23
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
EP 73016	A	19830302	(198310)*	GE	25<--
R: AT BE CH DE FR GB IT LI LU NL SE					
DE 3133678	A	19830317	(198312)		
AU 8287718	A	19830303	(198315)		
NO 8202220	A	19830321	(198318)		
JP 58059957	A	19830409	(198320)		
FI 8202912	A	19830429	(198323)		
DK 8203804	A	19830524	(198327)		
ES 8307723	A	19831101	(198406)		
PT 75458	A	19840223	(198412)		
US 4442120	A	19840410	(198417)		
CA 1165324	A	19840410	(198419)		
ES 8401454	A	19840301	(198419)		
ES 8401455	A	19840301	(198419)		
ZA 8206183	A	19840227	(198426)		
EP 73016	B	19851127	(198548)	GE	<--
R: AT BE CH DE FR GB IT LU NL SE					
DE 3267692	G	19860109	(198603)		
IL 66633	A	19860228	(198623)		
KR 8900620	B	19890322	(198941)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 4442120	A	US 1982-398577	19820715
ZA 8206183	A	ZA 1982-6183	19820825

PRIORITY APPLN. INFO: DE 1981-3133678 19810826
AB EP 73016 A UPAB: 19930925
2-Hydroxypropylamine derivs. of formula (I) and their acid-addition salts are new: (where R1 is (a) 3-10C cycloalkyl, (b) phenyl opt. mono- or poly-substd. by halogen, lower alkyl, alkoxy, alkenyl, alkynyl, alkynyloxy, cycloalkyl, acyl, acyloxy, alkoxycarbonyl, hydroxyalkyl or alkoxyalkyl, or by an ortho-linked ring-forming gp. (CH=CH)2 or OCH2O, or (c) aryloxyalkyl opt. mono- or poly-substd. by halogen, lower alkyl, alkoxy, alkenyl, alkynyl, alkenyloxy, alkynyloxy, hydroxyalkyl, alkoxyalkyl or alkoxycarbonyl, or by an ortho-linked ring-forming gp. (CH=CH)2 or

OCH2O; R2 is H, halogen, 1-4C alkyl, 1-4C alkoxy or an ortho-linked ring-forming gp. (CH=CH)2 or (CH2)n, where n= 3-5; R3 is 1-10C alkyl). 1-(2-Cyano-4-(2- (3-methylphenoxy) acetamido)phenoxy)-3 -t.-butylamino-2-propanol (Ia) and 1-(2-cyano-4-(cyclobutane carboxamido)phenoxy)-3 -t.-butylamino-2-propanol. (I) are beta-adrenergic blocking agents useful for treatment or prophylaxis of coronary heart disease (especially angina), arrhythmia (especially tachycardia), hypertension, etc. They have lower toxicity, higher activity and better cardioselectivity than acebutolol.

(19) Europäisches Patentamt
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(11) Veröffentlichungsnummer: **0 073 016**
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A 61 K 31/275

(30) Priorität: 26.08.81 DE 3133678

(43) Veröffentlichungstag der Anmeldung:
02.03.83 Patentblatt 83/9

(84) Benannte Vertragsstaaten:
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(71) Anmelder: BOEHRINGER INGELHEIM KG
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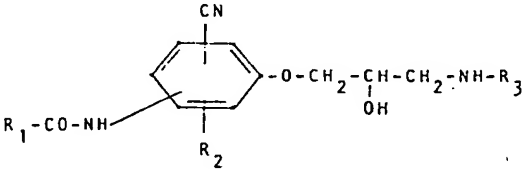
(54) **Neue 1-Aryloxy-3-alkylamino-2-propanole und Verfahren zu ihrer Herstellung.**

(57) Die Erfindung betrifft 1-Aryloxy-3-alkylamino-2-propanole der allgemeinen Formel I



in der

R_1 einen Cycloalkylrest mit 3 bis 10 C-Atomen, einen Phenylrest, der ggf. durch ein oder mehrere Halogenatome, niedere Alkyl-, Alkoxy-, Alkenyl-, Alkinyl-, Alkinyloxy-, Cycloalkyl-, Acyl, Acyloxy-, Alkoxycarbonyl-, Hydroxyalkyl- oder Alkoxyalkylreste oder die ringbindenden Gruppen $(-CH=CH)_2$, $-O-CH_2-O-$, mit Bindung der freien Valenzen in o-Stellung zueinander substituiert sein kann, oder einen Aryloxyalkylenrest, der ggf. durch ein oder mehrere Halogenatome, niedere Alkyl-, Alkoxy-, Alkenyl-, Alkinyl-, Alkenyloxy-, Alkinyloxy-, Hydroxyalkyl-, Alkoxyalkyl-, Acyl-, Acyloxy- oder Alkoxycarbonylreste sowie die ringbindende Gruppe $-(CH=CH)_2-$ oder $-OCH_2-O-$ mit Bindung der freien Valenzen in o-Stellung zueinander substituiert sein kann,

R_2 ein Wasserstoff- oder Halogenatom, eine Alkyl- oder Alkoxygruppe mit 1 bis 4 C-Atomen oder die ringbindenden Gruppen $-(CH=CH)_2-$ oder $-(CH_2)_n-$ (n = ganze Zahl von 3 bis 5) mit Bindung der freien Valenzen in o-Stellung zueinander,

R_3 einen geraden oder verzweigten Alkylrest mit 1 bis 10 C-Atomen, bedeutet,

sowie deren Säureadditionssalze.

EP 0 073 016 A1

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